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Docket No.: M4065.0538/P538-A  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Joel A. Drewes

Application No.: 10/633,628

Art Unit: 2813

Filed: August 5, 2003

Examiner: J.M. Dolan

For: MAGNETORESISTIVE MEMORY OR  
SENSOR DEVICES HAVING IMPROVED  
SWITCHING PROPERTIES AND METHOD  
OF FABRICATION

**SUPPLEMENTAL AMENDMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

Supplemental to Applicant's prior response of September 2, 2004 to the Office Action dated June 2, 2004 (Paper No. 05282004), please further amend the above-identified U.S. patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

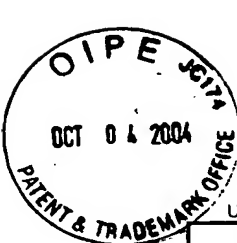
**Remarks/Arguments** begin on page 24 of this paper.

DSMDB.1829247.1

10/05/2004 JBALINAN 00000123 10633628

01 FC:1201  
03 FC:1202

440.00 OP  
720.00 OP



PTO/SB/17 (10-03)  
Approved for use through 7/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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FEE TRANSMITTAL for FY 2004		Complete if Known	
Effective 10/01/2003. Patent fees are subject to annual revision.		Application Number	10/633,628-Conf. #6374
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	August 5, 2003
TOTAL AMOUNT OF PAYMENT (\$)		First Named Inventor	Joel A. Drewes
1,160.00		Examiner Name	Not Yet Assigned
		Art Unit	2818
		Attorney Docket No.	M4065.0538/P538-A
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)	
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES	
<input type="checkbox"/> Deposit Account: Deposit Account Number: 04-1073 Deposit Account Name: Dickstein Shapiro Morin & Oshinsky LLP		Large Entity Small Entity	
The Director is authorized to: (check all that apply)		Fee Code Fee (\$) Fee Code Fee (\$) Fee Description Fee Paid	
<input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments		1051 130 2051 65 Surcharge - late filing fee or oath	
<input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)		1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet.	
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1053 130 1053 130 Non-English specification	
FEE CALCULATION		1812 2,520 1812 2,520 For filing a request for <i>ex parte</i> reexamination	
1. BASIC FILING FEE		1804 920* 1804 920* Requesting publication of SIR prior to Examiner action	
Large Entity Small Entity		1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action	
Fee Code Fee (\$) Fee Code Fee (\$) Fee Description Fee Paid		1251 110 2251 55 Extension for reply within first month	
1001 770 2001 385 Utility filing fee		1252 420 2252 210 Extension for reply within second month	
1002 340 2002 170 Design filing fee		1253 950 2253 475 Extension for reply within third month	
1003 530 2003 265 Plant filing fee		1254 1,480 2254 740 Extension for reply within fourth month	
1004 770 2004 385 Reissue filing fee		1255 2,010 2255 1,005 Extension for reply within fifth month	
1005 160 2005 80 Provisional filing fee		1401 330 2401 165 Notice of Appeal	
SUBTOTAL (1) (\$) 0.00		1402 330 2402 165 Filing a brief in support of an appeal	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1403 290 2403 145 Request for oral hearing	
Total Claims 92 -52** = 40 x 18.00 = 720.00		1451 1,510 1451 1,510 Petition to institute a public use proceeding	
Independent Claims 12 -7** = 5 x 88.00 = 440.00		1452 110 2452 55 Petition to revive - unavoidable	
Multiple Dependent		1453 1,330 2453 665 Petition to revive - unintentional	
Large Entity Small Entity		1501 1,330 2501 665 Utility issue fee (or reissue)	
Fee Code Fee (\$) Fee Code Fee (\$) Fee Description Fee Paid		1502 480 2502 240 Design issue fee	
1202 18 2202 9 Claims in excess of 20		1503 640 2503 320 Plant issue fee	
1201 86 2201 43 Independent claims in excess of 3		1460 130 1460 130 Petitions to the Commissioner	
1203 290 2203 145 Multiple dependent claim, if not paid		1807 50 1807 50 Processing fee under 37 CFR 1.17(q)	
1204 86 2204 43 ** Reissue independent claims over original patent		1806 180 1806 180 Submission of Information Disclosure Stmt	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent		8021 40 8021 40 Recording each patent assignment per property (times number of properties)	
SUBTOTAL (2) (\$) 1,160.00		1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))	
**or number previously paid, if greater; For Reissues, see above		1810 770 2810 385 For each additional invention to be examined (37CFR 1.129(b))	
		1801 770 2801 385 Request for Continued Examination (RCE)	
		1802 900 1802 900 Request for expedited examination of a design application	
		Other fee (specify)	
		*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00	
SUBMITTED BY		(Complete if applicable)	
Name (Print/Type) Thomas J. D'Amico		Registration No. (Attorney/Agent) 28,371	
Signature		Telephone (202) 828-2232	
		Date October 4, 2004	